

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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Turing Test

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Nature

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1) AlphaGo Zero superhuman

2) □ natural language process (NLP) □□□□□□□□□□□□□□□□□□□□□□□□□□
Chinese room argument □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BRAIN Initiative



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☐ Nature

AlphaGo Zero 在 Nature 期刊上超越人类 [1] AlphaGo 在围棋领域取得突破，成为第一个在围棋领域超越人类的 AI。AlphaGo Zero 在围棋领域取得突破，成为第一个在围棋领域超越人类的 AI。

Shor's algorithm
Quantum Supremacy

Quantum Supremacy ☐ Sycamore ☐ NISQ ☐ noise ☐

Quantum Supremacy  noise 

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy ☐ optimization ☐ machine learning ☐
☐ NISQ ☐ noisy ☐ Sycamore ☐

Quantum Supremacy

[illegible][illegible]

Académie française

smart phone

niche market

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[1] Mastering the game of Go without human knowledge, published in Nature, on 18 October 2017: <https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, published in Nature, on 23 October, 2019: <https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.